DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD		88888888888888888888888888888888888888		GGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
--	--	--	--	--

DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	BBBBBBBB BBBBBBBB BB BB BB BB BB BB BBBBBB	GGGGGGGG GGGGGGGG GG GG GG GG GG GG GG	NN	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	MM	\$
		\$				

GGGGGGGG

666666 666666 66

....

....

10 11

MODULE DBGNERMSG (IDENT = 'VO4-000') = BEGIN

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FACILITY:

DEBUG

ABSTRACT:

Version 3 debugger error output routines are contained in this module. In contrast to the version 2 debugger, error messages are not handled by the exception handling mechanism. That is, error messages are not SIGNALed. The routines in this module call SYS\$PUTMSG to recover and format the DEBUG messages from the system message file. The address of the version 2 debugger routine dbg\$out_message is suppied as an action routine. It is this routine which actually outputs the message. SYS\$PUTMSG is used instead of SYS\$GETMSG because the parameters to SYS\$PUTMSG resemble the the vector of longwords formed by a SIGNAL, a format which dbg\$out_message expects.

ENVIRONMENT: VAX/VMS

AUTHOR:

4/10/80 David Plummer, CREATION DATE:

DLP

MODIFIED BY:

David Plummer, 10-Jul-80, DLP

2.2-001

10-Jul-80

Added check for a null message vector ptr

R. Title

Feb 1983

Added parse and execute of DUMP command to this module (for lack of a better place to put it).

DBGNERMSG V04-000 : 58 0058 1 ! : 59 0059 1 ! : 60 0060 1 : 61 0061 1 ! VERSION: V02.2-002 : 62 0062 1 !--

16-Sep-1984 01:42:49 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:17:11 [DEBUG.SRC]DBGNERMSG.B32:1

Page 2

This command is used by developers to dump DEBUG internals.

```
16-Sep-1984 01:42:49
14-Sep-1984 12:17:11
DBGNERMSG
V04-000
                                                                                                                                                                              VAX-11 Bliss-32 V4.0-742
[DEBUG.SRC]DBGNERMSG.832;1
      TABLE OF CONTENTS:
                                             FORWARD ROUTINE
DBG$NPARSE_DUMP,
DBG$NEXECUTE_DUMP,
DBG$NOUT_INFO,
DBG$NMAKE_ARG_VECT,
DBG$NOUT_ARG_VECT:
NOVALUE,
DBG$NSYNTAX_ERROR;
                                                                                                                                  Parse DUMP command
Execute DUMP command
Outputs an informational message
                                                                                                                                   Constructs a standard message argument vector
                                                                                                                                   Outputs a message argument vector
                                                                                                                                  Constructs a syntax error message vect
REQUIRE FILES:
                                               REQUIRE 'SRCS:DBGPROLOG.REQ';
                                                   EXTERNAL REFERENCES:
                                              EXTERNAL ROUTINE
DBG$ANALYZE_HASH: NOVALUE,
DBG$DUMP_GLÜBAL: NOVALUE,
DBG$DUMP_SAT: NOVALUE,
DBG$DUMP_SAT: NOVALUE,
DBG$NMATCH,
DBG$NNEXT_WORD,
DBG$OUT_MESSAGE: NOVALUE,
                                                                                              H: NOVALUE,
: NOVALUE,
: Dump info about hash chains
: Dump info about GST
: Dump info about SAT
: Allocates listed dynamic storage
: Match input string
: Get next word in input
: Called as an action routine by SYS$PUTMSG to
: output the error message.
: System message output routine
                                                               SYS$PUTMSG
                                               EXTERNAL
                                                               DBG$GL_DEVELOPER: BITVECTOR[];
                                                                                                                                                       ! Developer flags
                                                   LITERALS
                                                   Used for communication between PARSE_DUMP and EXECUTE_DUMP.
                                               LITERAL
                                                               DUMP_MIN = 0.

DUMP_HASH = 0.

DUMP_SAT = 1.

DUMP_GST = 2.

DUMP_MAX = 2:
```

```
16-Sep-1984 01:42:49 VAX-11 Bliss-32 V4.0-742
14-Sep-1984 12:17:11 [DEBUG.SRC]DBGNERMSG.B32;1
```

GLOBAL ROUTINE DBG\$NPARSE_DUMP (INPUT_DESC, VERB_NODE, MESSAGE_VECT) = **FUNCTION** This routine parses the DUMP command. This command dumps internal DEBUG data structures. The command is only available to developers. 116 0248 0249 0250 0251 INPUTS INPUT DESC VERB_NODE - The remaining command string. - Pointer to partially constructed parse tree 0253 0253 0253 0255 0256 0257 0258 0259 MESSAGE_VECT - Error message vector **OUTPUTS** Information is printed at the terminal. The input string is updated to point beyond what we picked up. A return status is returned. BEGIN 0260 0261 0262 0263 0264 0265 0266 0267 0268 0269 INPUT_DESC: REF DBG\$STG_DESC VERB_NODE: REF DBG\$VERB_NODE; BIND = UPLIT BYTE (1, DBG\$K_CAR_RETURN), = UPLIT BYTE (3, 'GST'), = UPLIT BYTE (4, 'HASH'), = UPLIT BYTE (3, 'SAT'); DBG\$CS_CR DBG\$CS_GST DBG\$CS_HASH DBG\$CS_SAT Check developer flag O. This enables the DUMP command. 0271 0272 0273 0274 0275 0276 140 141 142 143 IF NOT .DBG\$GL_DEVELOPER[0] THEN BEGIN 144 .MESSAGE_VECT = DBG\$NSYNTAX_ERROR(UPLIT BYTE(%ASCIC 'DUMP'));
RETURN STS\$K_SEVERE; 146 END: 148 149 150 151 152 153 154 155 156 Pick up the keyword. At the moment, we only support DUMP HASH, 0280 0281 0282 0283 0284 0285 0286 0287 0288 0289 but more keywords may be added later. SELECTONE TRUE OF SET DUMP GST [DBG\$NMATCH (.INPUT_DESC, DBG\$CS_GST, 1)]: VERB_NODE[DBG\$L_VERB_OBJECT_PTR] = DUMP_GST; 0290 0291 0292 0293 END: 160 161 DUMP HASH. 162 [DBG\$NMATCH (.INPUT_DESC, DBG\$CS_HASH, 1)]: 164 165 VERB_NODE[DBG\$L_VERB_OBJECT_PTR] = DUMP_HASH; 166 END: 168 ! DUMP SAT.

```
DBGNERMSG
V04-000
                                                                                     16-Sep-1984 01:42:49
14-Sep-1984 12:17:11
                                                                                                                    VAX-11 Bliss-32 V4.0-742
EDEBUG.SRCJDBGNERMSG.B32:1
                                          [DBG$NMATCH (.INPUT_DESC, DBG$CS_SAT, 1)]:
   172
173
174
1776
177
178
178
181
183
184
186
187
                                                VERB_NODE[DBG$L_VERB_OBJECT_PTR] = DUMP_SAT;
                                            Any other DUMP argument is a syntax error.
                                          [OTHERWISE]:
                                               BEGIN
                                                .MESSAGE_VECT = (
                     0311
0312
0313
0314
0315
0316
                                                     IF DBG$NMATCH(.INPUT_DESC, DBG$CS_CR, 1)
                                                          DBG$NMAKE_ARG_VECT(DBG$_NEEDMORE)
                                                          DBG$NSYNTAX_ERROR(DBG$NNEXT_WORD(.INPUT_DES()));
                                                RETURN STS$K_SEVERE:
                                               END:
                     0318
                                          TES:
   188
189
                                    RETURN STS$K_SUCCESS;
                                     END:
                                                                                                  .TITLE
                                                                                                            DBGNERMSG
                                                                                                  . IDENT
                                                                                                             \V04-000\
                                                                                                  .PSECT
                                                                                                            DBG$PLIT, NOWRT, SHR, PIC, 0
                                                                                                            1, 13
                                                                     OD
                                                                               00000 P.AAA:
                                                                                                  .BYTE
                                                                               00002
                                                                                       P.AAB:
                                                                                                  .BYTE
                                                                    53
                                                               54
                                                                                                            \GST\
                                                                                                   .ASCII
                                                                               00006
                                                                                       P.AAC:
                                                                                                  .BYTE
                                                               53
                                                                    41
                                                                               00007
                                                                                                             \HASH\
                                                                                                   .ASCII
                                                                               0000B
                                                                                      P.AAD:
                                                                                                  .BYTE
                                                                               0000C
                                                                                                  .ASCII
                                                                                                             \SAT\
                                                                               0000F
                                                                                       P.AAE:
                                                                                                  .ASCII
                                                                                                            <4>\DUMP\
                                                                                       DBG$CS_CR=
DBG$CS_GST=
DBG$CS_HASH=
                                                                                                                  P.AAA
                                                                                                                  P.AAB
                                                                                                                  P.AAC
P.AAD
                                                                                       DBG$CS_SAT=
                                                                                                  .EXTRN
                                                                                                            DBG$ANALYZE_HASH
                                                                                                            DBG$DUMP_GLOBAL
DBG$DUMP_SAT, DBG$GET_TEMPMEM
DBG$NMATCH, DBG$NNEXT_WORD
                                                                                                  .EXTRN
                                                                                                  .EXTRN
                                                                                                  .EXTRN
                                                                                                  .EXTRN
                                                                                                            DBG$OUT_MESSAGE
                                                                                                  .EXTRN
                                                                                                            SYSSPUTMSG. DBGSGL_DEVELOPER
                                                                                                  .PSECT
                                                                                                            DBG$CODE, NOWRT, SHR, PIC.O
                                                                        001C 00000
9E 00002
9E 00009
                                                                                                            DBG$NPARSE_DUMP, Save R2,R3,R4
DBG$NMATCH, R4
P.AAE, R3
                                                                                                                                                                         0243
                                                                                                   .ENTRY
                                                                           9E 9E BDD
                                                       000000000
00000000
                                                                                                  MOVAB
                                                                                                  MOVAB
                                                                      00
53
73
                                                       00000000G
                                                                               00010
                                                                                                  BLBS
PUSHL
                                                                                                            DBG$GL_DEVELOPER, 1$
                                                                               00017
                                                                                                  BRB
                                                                                                            65
                                                                      01
                                                                                                                                                                         0287
                                                                               0001B 15:
                                                                                                  PUSHL
```

DBGNERMSG V04-000				M 6 16-Sep-1984 01:42:49 VAX 14-Sep-1984 12:17:11 EDE	-11 Bliss-32 V4.0-742 Page 6 BUG.SRCJDBGNERMSG.B32;1 (3)
	5	2 F3	A3 AC	F 0001D PUSHAB DBG\$CS_GS 0 00020 MOVL INPUT_BES D 00024 PUSHL R2	. R2
	6	1	03 50	B 00026 CALLS #3, DBG\$N 1 00029 CMPL R0, #1 2 0002C BNEQ 2\$	MATCH
	08 A	0 08	AC O2	2 0002C BNEW 25 0 0002E MOVL VERB_NODE 0 00032 MOVL #2, 8(R0) 1 00036 BRB 8\$. RO 0289
		F7	63 01 A3	1 00036 D 00038 2\$: PUSHL #1 F 0003A PUSHAB DBG\$CS_HA D 0003D PUSHL R2	: 0294
	6	1	52 50 99	D 0003D PUSHL R2 B 0003F CALLS #3, DBG\$N 1 00042 CMPL R0, #1 2 00045 BNEQ 3\$:
	5	0 08	AC AO 4B	2 00045 BNEQ 3\$ 0 00047 MOVL VERB_NODE 4 0004B CLRL 8(RO) 1 0004E BRB 8\$. RO 0296
		FC	4B 01 A3	D 00050 35: PUSHL #1 F 00052 PUSHAB DBG\$CS_SA	: 0282 : 0301
	6	1	03	D 00055 PUSHL R2 B 00057 CALLS #3, DBG\$N 1 0005A CMPL R0, #1	MATCH
	08 A	0 08	OA AC O1	2 0005D BNEQ 4\$ 0 0005F MOVL VERB NODE 0 00063 MOVL #1,8(R0) 1 00067 BRB 8\$, RO 0303
		F1	32 01 A3 52	0 0005f MOVL VERB_NODE 0 00063 MOVL #1, 8(R0) 1 00067 BRB 8\$ 0 00069 4\$: PUSHL #1 F 0006B PUSHAB DBG\$CS_CR	0282 0311
	60	4	03 50 8F	D 0006E PUSHL R2 B 00070 CALLS #3, DBG\$N 9 00073 BLBC R0, 5\$ D 00076 PUSHL #164048	MATCH
	0000V C	000280D0	8F 01 10	D 00076 B 0007C CALLS #1, DBG\$N 1 00081 D 00083 5\$: PUSHL R2 B 00085 CALLS #1, DBG\$N PUSHL R2 CALLS #1, DBG\$N PUSHL R2 CALLS #1, DBG\$N PUSHL R0 CALLS #1, DBG\$N PUSHL R0 CALLS #1, DBG\$N	MAKE_ARG_VECT
	0000000G 0	0	52 01 50	D 00083 5%: PUSHL R2 B 00085 CALLS #1, DBG\$N D 0008C PUSHL R0	MAKE_ARG_VECT OS15 MEXT_WORD OS15
	0000V C	F C O	01 50 04	B 0008E 6\$: CALLS #1, DBG\$N 0 00093 7\$: MOVL R0, aMESS 0 00097 MOVL #4, R0	SYNTAX_ERROR AGE_VECT 0310 0316
	5	0	01	0 00093 7\$: MOVL RO, aMESS 0 00097 MOVL #4, RO 4 0009A RET 0 0009B 8\$: MOVL #1, RO 4 0009E RET	0319 0320

; Routine Size: 159 bytes, Routine Base: DBG\$CODE + 0000

```
DBGNERMSG
V04-000
                                                                        16-Sep-1984 01:42:49
14-Sep-1984 12:17:11
                                                                                                   VAX-11 Bliss-32 V4.0-742 [DEBUG.SRC]DBGNERMSG.B32:1
   191
192
193
                           GLOBAL ROUTINE DBG$NEXECUTE_DUMP (VERB_NODE, MESSAGE_VECT) =
                             FUNCTION
    94
                                    Performs the action associated with the DUMP command.
    96
                             INPUTS
                                    VERB_NODE
                                                      - A pointer to the command tree
    98
                                    MESSAGE_VECT
                                                      - Error message vector
                             OUTPUTS
   Information about internal DEBUG data structures will be printed
                                    at the terminal. A status code is returned.
                               BEGIN
                               MAP
                                    VERB_NODE: REF DBG$VERB_NODE:
                                 Case on the DUMP keyword. DUMP HASH is the only one we currently
                                 support.
                               CASE .VERB_NODE[DBG$L_VERB_OBJECT_PTR] FROM DUMP_MIN TO DUMP_MAX OF SET
                                    [DUMP_GST]:
                                        DBG$DUMP_GLOBAL();
                                    [DUMP_HASH]:
                                        DBG$ANALYZE_HASH();
                                    [DUMP_SAT]:
                                        DBG$DUMP_SAT();
                                    [INRANGE, OUTRANGE]:
                                        $DBG_ERROR('DBGNERMSG\DBG$NEXECUTE_DUMP');
                               RETURN STS$K_SUCCESS:
                               END:
                                                                                   .PSECT
                                                                                           DBG$PLIT, NOWRT, SHR, PIC, O
                                                                   00014 P.AAF:
                                   52
                                       45 4E 47
                                                     42
58
                                                                                   .ASCII
                                                                                            <27>\DBGNERMSG\<92>\DBG$NEXECUTE_DUMP\
                                                                                            DBG$CODE, NOWRT, SHR, PIC.O
                                                                                   .PSECT
                                                                                            DBG$NEXECUTE_DUMP, Save nothing VERB_NODE, RO 8(RO), #0, #2
                                                                   00000
                                                                                                                                                0321
                                                              0000
                                                                                   .ENTRY
                                            50
                                                                DO
                                                                                   MOVL
                          001D
                                                                   00006
                                                                                   CASEL
                                                                                            38-18,-
48-18,-
                                         002F
                                                         0026
                                                                    0000B 15:
                                                                                   . WORD
                                                                                                                                               0354
                                                                                   PUSHAB
                                               00000000
                                                           EF
                                                                9F 00011
```

DBGNERMSG V04-000		8 7 16-Sep-1984 01:42:49 14-Sep-1984 12:17:11	VAX-11 Bliss-32 V4.0-742 [DEBUG.SRC]DBGNERMSG.B32;1	Page 8
00000000G 00 00000000G 00 00000000G 00 00000000	0 06 0 10 0 00 0 07	FB 00028 28: CALLS #0, I 11 0002F BRB 58 FB 00031 38: CALLS #0, I 11 00038 BRB 58	706 LIB\$SIGNAL DBG\$DUMP_GLOBAL DBG\$ANALYZE_HASH DBG\$DUMP_SAT	0345 0348 0351 0357 0358

; Routine Size: 69 bytes. Routine Base: DBG\$CODE + 009F

```
0388
                     0389
                     0390
                     0391
                     0392
                     0394
                     0395
                     0396
                     0397
                     0398
                     0400
                     0401
                     0402
                     0404
                     0405
                     0406
0407
0408
0409
0410
0411
0412
0413
0414
```

GLOBAL ROUTINE DBG\$NOUT_INFO (ERROR_CODE) =

FUNCTIONAL DESCRIPTION:

This routine outputs an informational message to the user's terminal and/or log file.

This routine will not output message that do not have an informational level of severity.

FORMAL PARAMETERS:

error_code

 A longword containing an integer value corresponding to a DEBUG info message code

[fao_count]

 A longword containing the number of fao arguments supplied in conjunction with the first message code. This optional parameter MUST be supplied if ANY fao arguments are supplied.

[fao_first, ...] - A longword containing an fao argument to be incorperated
 into the info message text

[next_code, next_count, next_fao, ...]

- The next message code, fao_count, fao_argument sequence.

IMPLICIT INPUTS:

NONE

IMPLICIT OUTPUTS:

NONE

ROUTINE VALUE:

An unsigned integer longword completion code

COMPLETION CODES:

sts\$k_success (1) - Success. Informational message output.

sts\$k_severe (4) - Failure. Message not an info and not output.

SIDE EFFECTS:

Outputs an informational message(s) to the user's terminal and/or log file.

BEGIN

BUILTIN ACTUAL COUNT, ACTUAL PARAMÉTER;

LOCAL

				0 7 16-Sep- 14-Sep-	1984 01:42 1984 12:17	:49 VAX-11 Bliss-32 V4.0-742 :11 [DEBUG.SRC]DBGNERMSG.832:1	Page 10 (5)
0416 2 0417 2 0418 2 0419 2	ERROR VECT			of act	ual parame counter ge vector	ters	
0421 2 0422 2 0423 2 0424 2 0425 2 0426 2	iF .error_code	<0. 3. 0> N			ds to an i	nto	
0427 2 0428 2 0429 2 0430 2 0431 2 0432 2	! Make the arg	ument vector					
0433 2 0434 2 0435 2	<pre>arg_vect = dbg! arg_vect [0] =</pre>	get_tempmem .num_actual:	(.num_act	uals + 1);		
0436 2 0437 2 0438 2 0439 2 0440 2	arg_vect [i] = actual;		(.i);			
0441 2 0442 2 0443 2			t):				
0444 2							
0447 1	END;	nd of dbg\$no	out_info				
04	AC 03 50	04	13 0000 00 0000	02 08 0A	ENTRY CMPZV BEQL MOVL	DBG\$NOUT INFO. Save R2 NO. N3. ERROR_CODE. N3 1\$ N4. RO	: 0359 : 0424 : 0426
	000000006 00 60	01 A	9A 0000 9F 000 FB 000 DO 000	DE 15: 11 14	MOVZBL PUSHAB CALLS MOVL	(AP), NUM ACTUALS 1(NUM ACTUALS) #1, DBG\$GET_TEMPMEM NUM_ACTUALS, (ARG_VECT)	0431 0433 0434 0436
	6041 51 0000V CF	604	11 000 1 00 000 2 F3 000 1 DD 000 1 FB 000	20 22 25: 27 38:	BRB MOVL AOBLEQ PUSHL CALLS	3\$ (AP)[I], (ARG_VECT)[I] NUM_ACTUALS, I, 2\$ ARG_VECT #1. DBG\$NOUT_ARG_VECT	0438 0443 0445 0447
	0418 0420 0421 0422 0423 0423 0426 0426 0426 0427 0428 0429 0431 0435 0431 0435 0437 0437 0438 0437 0443 0443 0444 0444 0444 0444 0444	0417 2 ERROR VECT: 0419 2 O420 3	Make sure that the message Make the argument vector	Make sure that the message code of the c	16-Sep-14-Sep-	16-Sep-1984 01:42 14-Sep-1984 12:17 0416 2	10-Sep-1984 01:42:49 VAX-11 Bliss-32: V4.0-7-22 Log Capen-1984 12:17:11 DEBUG.SRCIDBGNERMSG.832:1 VAX-11 Bliss-32: V4.0-7-22 Log Counter Log C

; Routine Size: 54 bytes, Routine Base: DBG\$CODE + 00E4

Page 11 (5)

: 319

0448 1

GLOBAL ROUTINE DBG\$NMAKE_ARG_VECT (ERROR_CODE) =

FUNCTIONAL DESCRIPTION:

Creates a message argument vector as described on page 4-119 of the VAX/VMS system reference, volume 1A.

This routine ALWAYS returns the address of a message argument vector.

FORMAL PARAMETERS:

error_code - A longword containing an integer corresponding to a DEBUG message code

 A longword containing the number of fao arguments supplied in conjunction with error_code. This optional parameter MUST be supplied if ANY fao arguments are supplied. [fao_count]

[fao_first, ...] - A longword containing an FAO argument to be inserted into the text of a DEBUG message

> Note that the above sequence may be repeated to construct an argument vector for concatenated messages.

IMPLICIT INPUTS:

NONE

IMPLICIT OUTPUTS:

NONE

ROUTINE VALUE:

An unsigned integer longword corresponding to the address of a message argument vector.

COMPLETION CODES:

NONE

SIDE EFFECTS:

NONE

BEGIN

BUILTIN

ACTUAL COUNT ACTUALPARAMETER:

LOCAL

NUM_ACTUALS,

ERROR_VECT.

Number of actual parameters Loop counter Error vector pointer

DBGNERMSG V04-000		G 7 16-Sep-1984 01:42:49 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:17:11 [DEBUG.SRC]DBGNERMSG.B32;1	Page 13 (6)
378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393	0506 0507 0508 0509 0510 0511 0512 0513 0514 0515 0516 0516 0517 0518 0519 0520 0521 0521	### ARG_VECT : REF VECTOR; ! Messagr argument vector ### Make the argument vector num_actuals = actualcount (); arg_vect = dbg\$get_tempmem(.num_actuals + 1); arg_vect [0] = .num_actuals; INCR i FROM 1 TO .num_actuals DO arg_vect [.i] = actualparameter (.i); RETURN .arg_vect; END; ! End of dbg\$nmake_arg_vect	
		52	0449 0511 0513 0514 0516 0518

; Routine Size: 32 bytes, Routine Base: DBG\$CODE + 011A

; 395 0523 1

VAX-11 Bliss-32 V4.0-742 [DEBUG.SRC]DBGNERMSG.832;1

Page 14

```
GLOBAL ROUTINE DBG$NOUT_ARG_VECT (ARGUMENT_VECT) : NOVALUE =
                          FUNCTIONAL DESCRIPTION:
                                  Outputs the DEBUG error message corresponding to the input message
                                  argument vector to the user's terminal and/or log file.
                                  This routine should be invoked directly only by the DEBUG CLI.
                           FORMAL PARAMETERS:

    A longword containing the address of a message argument
vector as described on page 4-119 of the VAX/VMS system

                                  argument_vect
                                                       reference, volume 1A
                           IMPLICIT INPUTS:
                                  The parameter argument vect is set to 0 after the output
                           IMPLICIT OUTPUTS:
                                  NONE
                           ROUTINE VALUE:
               0550
                                  NONE
                           COMPLETION CODES:
               0554
                                  NONE
               0555
               0556
0557
0558
                           SIDE EFFECTS:
                                  Writes a DEBUG error message to the user's terminal and/or log file.
               0560
0561
0562
0563
0564
0565
0566
0567
0576
0571
0572
0573
0576
0577
                                  This routine signals a debugbug if there is no message to output.
                             BEGIN
                               Check for no error message to output.
                             IF .argument_vect EQLA 0
                             THEN
                                  $DBG_ERROR('DBGNERMSG\DBG$NOUT_ARG_VECT');
                             ! Output the message.
                             SYS$PUTMSG (.argument_vect, dbg$out_message, 0);
                             RETURN:
                             END:
                                           ! End of dbg$nout_arg_vect
```

DBC	GNE RI	ASG													1	1 7 6-Sep-19 4-Sep-19	84 01:42 84 12:17	2:49 VAX-11 Bliss-32 V4.0-742 1:11 [DEBUG.SRC]DBGNERMSG.B32;1	Page 15 (7)
24	47	42	43	5C 45	47 56	53 5F	40	52 52	45	4E SF	47	42	44 4F	19 4E	00030 0003f	P.AAG:	.PSECT	DBG\$PLIT,NOWRT, SHR, PIC.0 <27>\DBGNERMSG\<92>\DBG\$NOUT_ARG_VECT\	•
								00000		00	00000 00028	362	01 8F 03 7E	0000 05 12 9F 00 00 FB 04 9F 04	00000 00002 00005 00007 0000D 00015 0001C 0001E 00024 00027	18:	PSECT ENTRY TSTL BNEQ PUSHAB PUSHL CALLS CLRL PUSHAB PUSHL CALLS CALLS CALLS CALLS CALLS CALLS CALLS CALLS CALLS	DBG\$CODE,NOWRT, SHR, PIC,O DBG\$NOUT_ARG_VECT, Save nothing ARGUMENT_VECT 1\$ P.AAG #1 #164706 #3. LIB\$SIGNAL -(SP) DBG\$OUT_MESSAGE ARGUMENT_VECT #3, SYS\$PUTMSG	0524 0568 0570 0574

; Routine Size: 47 bytes, Routine Base: DBG\$CODE + 013A

; 452 0579 1

Construct the vector and return it.

DBGNERMSG V04-000						16-Se 14-Se	p-1984 01:42:49 p-1984 12:17:11	VAX-11 Bliss-32 V4.0-742 [DEBUG.SRC]DBGNERMSG.B32;1	Page 17 (8)
: 511 : 512 : 513 : 514 : 515	0637 2 0638 2 0639 2 0640 2 0641 1		RETURN .er				tax, 1, .string_	desc);	
	04	AO	00000000G 04 8E	00 60 AC 00028238 AF	02 01 80 01 50 01 85 03	0000 00000 DD 00002 FB 00004 9B 0000B C1 0000F DD 00015 DD 00017 DD 00019 FB 0001F 04 00023	PUSHL #2 CALLS #1, MOVZBW @WÓ ADDL3 #1, PUSHL STR PUSHL #1 PUSHL #1	SSNSYNTAX_ERROR, Save nothing DBG\$GET_TEMPMEM ORD_STRING, (STRING_DESC) WORD_STRING, 4(STRING_DESC) ING_DESC 04408 DBG\$NMAKE_ARG_VECT	0580 0626 0631 0632 0637

[;] Routine Size: 36 bytes, Routine Base: DBG\$CODE + 0169

^{; 516 0642 1}

0643 1 END 0644 0 ELUDOM

.EXTRN LIBSSIGNAL

PSECT SUMMARY

Name

Bytes

Attributes

DBG\$PLIT DBG\$CODE 76 NOVEC, NOWRT, RD . EXE. SHR. LCL. REL. CON. PIC.ALIGN(0) 397 NOVEC, NOWRT, RD . EXE. SHR. LCL. REL. CON. PIC.ALIGN(0)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
\$255\$DUA28:[SYSLIB]LIB.L32:1 \$255\$DUA28:[DEBUG.OBJ]STRUCDEF.L32:1 \$255\$DUA28:[DEBUG.OBJ]DBGLIB.L32:1 \$255\$DUA28:[DEBUG.OBJ]DSTRECRDS.L32:1	18619 32 1545	5 0 12	0	1000 7 97	00:01.9 00:00.1 00:02.0
_\$255\$DUA28: [DEBUG.OBJ]DSTRECKDS.L32;1	418 386	0	0	31 22	00:00.4

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$:DBGNERMSG/OBJ=OBJ\$:DBGNERMSG MSRC\$:DBGNERMSG/UPDATE=(ENH\$:DBGNERMSG)

: Size: 397 code + 76 data bytes : Run Time: 00:13.5 : Elapsed Time: 01:04.6 : Lines/CPU Min: 2872 : Lexemes/CPU-Min: 7378 : Memory Used: 87 pages : Compilation Complete

0087 AH-BT13A-SE

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